Terms used X/Open commit rollback backup recovery failure

Found 17 of 175,083

Sort results by relevance
Display results expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 17 of 17

Relevance scale

1 The impact of object technology on commercial transaction processing
Edward E. Cobb
August 1997 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 6 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(649.17 KB) Additional Information: full citation, abstract, index terms

Businesses today are searching for information solutions that enable them to compete in the global marketplace. To minimize risk, these solutions must build on existing investments, permit the best technology to be applied to the problem, and be manageable. Object technology, with its promise of improved productivity and quality in application development, delivers these characteristics but, to date, its deployment in commercial business applications has been limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

2 Exotica: a project on advanced transaction management and workflow systems
C. Mohan, D. Agrawal, G. Alonso, A. El Abbadi, R. Guenthoer, M. Kamath
August 1995 **ACM SIGOIS Bulletin**, Volume 16 Issue 1
Publisher: ACM Press
Full text available: pdf(781.89 KB) Additional Information: full citation, abstract, citings, index terms

This paper is an overview of the Exotica project, currently in progress at the IBM Almaden Research Center. The project aims at exploring several research areas from advanced transaction management concepts to client/server architectures and mobile computing within the context of business processes and workflow management. The ultimate goal is to incorporate these ideas into IBM's products and prototypes. The project involves IBM groups in Almaden (U.S.A.), Hursley (U.K.), Boeblingen (Germany), ...

3 Failure isolation and recovery in composite multidatabases
Dexter P. Bradshaw
October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(193.89 KB) Additional Information: full citation, abstract, references, citings, index terms

Most concurrency control schemes for guaranteeing global serializability in composite multidatabase systems are susceptible to rollbacks. Conservative schemes generate rollbacks because of transaction timeouts, while those of optimistic schemes are caused by certification failures. Typically, rollbacks on any branch of a flat distributed transaction cause a global abort. Global aborts during multidatabase composition degrade performance because of a waste of resources and reductions in multidata ...

4 OSI distributed transaction processing commitment optimizations
Richard Banks, Peter Furniss, Klaus Heien, H. Rüdiger Wiehle
October 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 5

Publisher: ACM Press
Full text available: pdf(1.36 MB) Additional Information: full citation, abstract, index terms

This paper briefly summarizes the work towards the final version of 'Distributed Transaction Processing' (OSI TP). Several well-known optimizations of the presumed abort protocol are introduced: dynamic flow of READY-messages, a one-phase protocol, a read-only extension. Moreover, some useful extensions such as containment of heuristic decisions and reporting of the completion status of a transaction are presented. The requirements and the functionality are discussed especially from the user's p ...

5 Distributed transaction management: Composite multidatabase system concurrency control and recovery
Dexter P. Bradshaw
October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**
Publisher: IBM Press
Full text available: pdf(1.08 MB) Additional Information: full citation, abstract, references

Multidatabase systems based on single monolithic multidatabase servers are not realistic and do not scale with increases in the number of participant component database systems and the radius of service. In this paper, we focus on an architecture in which the multidatabase system consists of multiple, possibly heterogeneous peer servers distributed on a communication network. A global multidatabase request can span multiple servers, causing some servers to act as component database systems. We r ...

6 Transactors: a programming model for maintaining globally consistent distributed state in unreliable environments
John Field, Carlos A. Varela
January 2005 **ACM SIGPLAN Notices , Proceedings of the 32nd ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '05**, Volume 40 Issue 1
Publisher: ACM Press
Full text available: pdf(410.58 KB) Additional Information: full citation, abstract, references, index terms, review

We introduce *transactors*, a fault-tolerant programming model for composing loosely-coupled distributed components running in an unreliable environment such as the internet into systems that reliably maintain globally consistent distributed state. The transactor model incorporates certain elements of traditional transaction processing, but allows these elements to be composed in different ways without the need for central coordination, thus facilitating the study of distributed fault-toler ...

Keywords: actor, distributed state, tau-calculus, transactor

7 Systems and prototypes: Phoenix project: fault-tolerant applications
Roger Barga, David Lomet
June 2002 **ACM SIGMOD Record**, Volume 31 Issue 2
Publisher: ACM Press
Full text available: pdf(847.56 KB) Additional Information: full citation, abstract, references, citings

After a system crash, databases recover to the last committed transaction, but applications usually either crash or cannot continue. The Phoenix purpose is to enable application state to persist across system crashes, transparent to the application program. This simplifies application programming, reduces operational costs, masks failures from users, and increases application availability, which is critical in many scenarios, e.g., e-commerce. Within the Phoenix project, we have explored how to ...

8 Providing fault-tolerant services to distributed Ada 95 applications
Yvon Kermarrec, Laurent Nana, Laurent Pautet
December 1996 **Proceedings of the conference on TRI-Ada '96: disciplined software development with Ada**
Publisher: ACM Press
Full text available: pdf(837.05 KB) Additional Information: full citation, references, citings, index terms

9 IBM's relational DBMS products: features and technologies

C. Mohan
June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data SIGMOD '93**, Volume 22 Issue 2
Publisher: ACM Press
Full text available: pdf(535.42 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper very briefly summarizes the features and technologies implemented in the IBM relational DBMS products. The topics covered include record and index management, concurrency control and recovery methods, commit protocols, query optimization and execution techniques, high availability and support for parallelism and distributed data. Some indications of likely future product directions are also given.

10 Transaction scheduling in dynamic composite multidatabase systems
Dexter P. Bradshaw, Per-Åke Larson, Jacob Slonim
November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(317.09 KB) Additional Information: full citation, abstract, references, index terms

This paper proposes composite multidatabase architecture consisting of multiple, possibly heterogeneous, peer multidatabase servers distributed on a communications network. The domain of each multidatabase server is treated as a multidatabase cell. Global transactions could span multiple multidatabase cells, sometimes forcing multidatabase servers to act as component database systems. Although each multidatabase server guarantees serializable execution histories for transactions under its contro ...

11 Strategies for integrating messaging and distributed object transactions
Stefan Tai, Isabelle Rouvellou
April 2000 **IFIP/ACM International Conference on Distributed systems platforms**
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(460.54 KB) Additional Information: full citation, abstract, references, citings

Messaging, and distributed transactions, describe two important models for building enterprise software systems. Distributed object middleware aims to support both models by providing messaging and transaction services. But while the concept of distributed object transactions is well-understood, support for messaging in distributed object environments is still in its early stages, and not nearly as readily perceived. Integrating messaging into distributed object environments, and in particula ...

12 PicoDBMS: Scaling down database techniques for the smartcard
Philippe Pucheral, Luc Bouganim, Patrick Valduriez, Christophe Bobineau
September 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 2-3
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(259.03 KB) Additional Information: full citation, abstract, citings, index terms

Smartcards are the most secure portable computing device today. They have been used successfully in applications involving money, and proprietary and personal data (such as banking, healthcare, insurance, etc.). As smartcards get more powerful (with 32-bit CPU and more than 1 MB of stable memory in the next versions) and become multi-application, the need for database management arises. However, smartcards have severe hardware limitations (very slow write, very little RAM, constrained stable mem ...

Keywords: Atomicity, Durability, Execution model, PicoDBMS, Query optimization, Smartcard applications, Storage model

13 Distinguished database profiles: C. Mohan speaks out: on R*, message queues, computer science in India, how ARIES came about, life as an IBM fellow, and more
Marianne Winslett
December 2004 **ACM SIGMOD Record**, Volume 33 Issue 4
Publisher: ACM Press
Full text available: pdf(238.97 KB) Additional Information: full citation

14 Enterprise information architectures—they're finally changing

Wesley P. Melling
May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2
Publisher: ACM Press
Full text available: pdf(1.28 MB) Additional Information: full citation, abstract, references, index terms

Substantive changes in the business environment—and aggressive initiatives in business process reengineering—are driving corresponding changes in the information technology architectures of large enterprises. Those changes are enabled by the convergence of a long list of maturing new technologies. As one of its many implications, the new IT architecture demands revised assumptions about the design and deployment of databases. This paper reviews the components of the architectura ...

15 Distributed transactions in practice
Prabhu Ram, Lyman Do, Pamela Drew
September 1999 **ACM SIGMOD Record**, Volume 28 Issue 3
Publisher: ACM Press
Full text available: pdf(873.01 KB) Additional Information: full citation, abstract, citings, index terms

The concept of transactions and its application has found wide and often indiscriminate usage. In large enterprises, the model for distributed database applications has moved away from the client-server model to a multi-tier model with large database application software forming the middle tier. The software philosophy of "buy and not build" in large enterprises has had a major influence by extending functional requirements such as transactions and data consistency throughout th ...

16 STDL: a route to productivity for distributed processing
H. Lowe, E. Newcomer, J. Sekine
December 1996 **StandardView**, Volume 4 Issue 4
Publisher: ACM Press
Full text available: pdf(302.91 KB) Additional Information: full citation, abstract, references, index terms

Structured Transaction Definition Language (STDL) is a standardized, block-structured, high-level language that provides a development environment for writing portable, distributed transactional, and nontransactional applications. It has been mapped to the major TP monitors and is compatible with DCE. STDL's common API for distributed TP provides both portability across different TP monitors and enhances productivity through the usual benefits of high-level languages augmented with automate ...

17 SQL/CLI—a new binding style for SQL
Murali Venkatrao, Michael Pizzo
December 1995 **ACM SIGMOD Record**, Volume 24 Issue 4
Publisher: ACM Press
Full text available: pdf(549.33 KB) Additional Information: full citation, index terms

Results 1 - 17 of 17

Terms used X/Open commit rollback broadcast backup recovery failure

Found 2 of 175,083

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 2 of 2

Relevance scale

1 Strategies for integrating messaging and distributed object transactions

Stefan Tai, Isabelle Rouvellou

April 2000 **IFIP/ACM International Conference on Distributed systems platforms**

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(460.54 KB) Additional Information: full citation, abstract, references, citings

Messaging, and distributed transactions, describe two important models for building enterprise software systems. Distributed object middleware aims to support both models by providing messaging and transaction services. But while the concept of distributed object transactions is well-understood, support for messaging in distributed object environments is still in its early stages, and not nearly as readily perceived. Integrating messaging into distributed object environments, and in particula ...

2 PicoDBMS: Scaling down database techniques for the smartcard

Philippe Pucheral, Luc Bouganim, Patrick Valduriez, Christophe Bobineau

September 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 2-3

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(259.03 KB) Additional Information: full citation, abstract, citings, index terms

Smartcards are the most secure portable computing device today. They have been used successfully in applications involving money, and proprietary and personal data (such as banking, healthcare, insurance, etc.). As smartcards get more powerful (with 32-bit CPU and more than 1 MB of stable memory in the next versions) and become multi-application, the need for database management arises. However, smartcards have severe hardware limitations (very slow write, very little RAM, constrained stable mem ...

Keywords: Atomicity, Durability, Execution model, PicoDBMS, Query optimization, Smartcard applications, Storage model

Results 1 - 2 of 2

Results for "(('x'<in>metadata) <and> ('open'<in>metadata))<and> (commit, roll..." e-mail

Your search matched 14 of 1340257 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

(('x'<in>metadata) <and> ('open'<in>metadata))<and> (commit, rollback<in>meta Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Adaptive independent checkpointing for reducing rollback propagation**
   Xu, J.; Netzer, R.H.D.;
   Parallel and Distributed Processing, 1993. Proceedings of the Fifth IEEE Symposium on
   1-4 Dec. 1993 Page(s):754 - 761
   Digital Object Identifier 10.1109/SPDP.1993.395456
   AbstractPlus | Full Text: PDF(692 KB) IEEE CNF
   Rights and Permissions

2. **Open commit protocols for the tree of processes model**
   Rothermel, K.; Pappe, S.;
   Distributed Computing Systems, 1990. Proceedings., 10th International Conference on
   28 May-1 June 1990 Page(s):236 - 244
   Digital Object Identifier 10.1109/ICDCS.1990.89281
   AbstractPlus | Full Text: PDF(1028 KB) IEEE CNF
   Rights and Permissions

3. **A distributed MPEG video player system with feedback and QoS control**
   Ng, J.K.-Y.; Hon-Kee Wai; Shu-Hua Xiong; Xi-Wan Du;
   Real-Time Computing Systems and Applications, 1998. Proceedings. Fifth International Conferenc
   27-29 Oct. 1998 Page(s):91 - 100
   Digital Object Identifier 10.1109/RTCSA.1998.726356
   AbstractPlus | Full Text: PDF(244 KB) IEEE CNF
   Rights and Permissions

4. **A semantic-based nested transaction model for intelligent and cooperative information syst**
   Haghjoo, M.S.; Papazoglou, M.P.; Schmidt, H.W.;
   Intelligent and Cooperative Information Systems, 1993., Proceedings of International Conference o
   12-14 May 1993 Page(s):321 - 331
   Digital Object Identifier 10.1109/ICICIS.1993.291742
   AbstractPlus | Full Text: PDF(1028 KB) IEEE CNF
   Rights and Permissions

5. **An architecture to support distributed trade documents**
   Wing, H.; Colomb, R.M.;
   Autonomous Decentralized Systems, 1997. Proceedings. ISADS 97., Third International Symposiu
   9-11 April 1997 Page(s):221 - 228
   Digital Object Identifier 10.1109/ISADS.1997.590625
   AbstractPlus | Full Text: PDF(972 KB) IEEE CNF

Rights and Permissions

6. **IEEE standard for information technology - Portable Operating System Interface (POSIX) sy: part 2: software administration**
IEEE Std 1387.2-1995
14 June 1996
AbstractPlus | Full Text: PDF(15656 KB) IEEE STD

7. **Open multithreaded transactions: keeping threads and exceptions under control**
Kienzle, J.; Romanovsky, A.; Strohmeier, A.;
Object-Oriented Real-Time Dependable Systems, 2001. Proceedings. Sixth International Worksho
8-10 Jan. 2001 Page(s):197 - 205
Digital Object Identifier 10.1109/WORDS.2001.945131
AbstractPlus | Full Text: PDF(768 KB) IEEE CNF
Rights and Permissions

8. **Digital compression and the international TV marketplace**
Walisko, W.V.;
Broadcasting Convention, 1995, IBC 95., International
14-18 Sep 1995 Page(s):372 - 376
AbstractPlus | Full Text: PDF(360 KB) IEE CNF

9. **New tricks: how open source changed the way my team works**
Lussier, S.;
Software, IEEE
Volume 21, Issue 1, Jan-Feb 2004 Page(s):68 - 72
Digital Object Identifier 10.1109/MS.2004.1259222
AbstractPlus | Full Text: PDF(412 KB) IEEE JNL
Rights and Permissions

10. **Publish and search versus registries for semantic Web service discovery**
Willmott, S.; Ronsdorf, H.; Krempels, K.H.;
Web Intelligence, 2005. Proceedings. The 2005 IEEE/WIC/ACM International Conference on
19-22 Sept. 2005 Page(s):491 - 494
Digital Object Identifier 10.1109/WI.2005.123
AbstractPlus | Full Text: PDF(83 KB) IEEE CNF
Rights and Permissions

11. **Web-based framework for electricity market**
Marmiroli, H.; Suzuki, H.;
Electric Utility Deregulation and Restructuring and Power Technologies, 2000. Proceedings. DRPT Conference on
4-7 April 2000 Page(s):471 - 475
Digital Object Identifier 10.1109/DRPT.2000.855710
AbstractPlus | Full Text: PDF(432 KB) IEEE CNF
Rights and Permissions

12. **A feasible model of open electricity supply industry in Hong Kong**
Ngan, H.W.; Chow, K.F.;
Electric Utility Deregulation and Restructuring and Power Technologies, 2000. Proceedings. DRPT Conference on
4-7 April 2000 Page(s):632 - 635
Digital Object Identifier 10.1109/DRPT.2000.855739
AbstractPlus | Full Text: PDF(324 KB) IEEE CNF
Rights and Permissions

13. **Customizable framework for managing trusted components deployed on middleware**
Minghui Zhou; Wenpin Jiao; Hong Mei;

Engineering of Complex Computer Systems, 2005. ICECCS 2005. Proceedings. 10th IEEE Interna
16-20 June 2005 Page(s):283 - 291
Digital Object Identifier 10.1109/ICECCS.2005.31

AbstractPlus | Full Text: PDF(136 KB) IEEE CNF
Rights and Permissions

☐ 14. **CodAlf: a decentralized workflow management system on top of OSF DCE and DC++**
Schill, A.; Mittasch, C.;
Autonomous Decentralized Systems, 1997. Proceedings. ISADS 97., Third International Symposiu
9-11 April 1997 Page(s):205 - 212
Digital Object Identifier 10.1109/ISADS.1997.590623

AbstractPlus | Full Text: PDF(724 KB) IEEE CNF
Rights and Permissions

Web Results 1 - 3 of 3 for "X/Open", "commit", "rollback", "failure recovery", "broadcast", "prepare", "ready","global

Tip: Try removing quotes from your search to get more results.

[PDF] Transaction Service Specification
File Format: PDF/Adobe Acrobat - View as HTML
Service designs Do not Assume or rely on any **Global Identifier** Service ...
participants in the Transaction agree on the outcome (**commit** or **rollback**) and to ...
cs.uoi.gr/~zarras/transactions.pdf - Supplemental Result - Similar pages

[PDF] Transaction Service Specification
File Format: PDF/Adobe Acrobat - View as HTML
Service designs Do not Assume or rely on any **Global Identifier** Service or Global id ... these Interfaces enable The Objects to either **commit** all ...
www.omg.org/docs/ptc/03-03-08.pdf - Supplemental Result - Similar pages

Package: 3dchess Priority: optional Section: games installed-Size ...
Package: 3dchess Priority: optional Section: games installed-Size: 140 Maintainer: Stephen Stafford <bagpuss@debian.org> Architecture: sh Version: 0.8.1-8 ...
hanzubon.jp/Linux/DEBIAN-SH-OLD/ dists/sid/main/binary-sh/Packages - Supplemental Result - Similar pages

Try your search again on Google Book Search